CBL Scale Calculations

Using the formula from Ground Water Section Guidance No. 34:

$$A_{80} = 10^{((0.2\log A_0) + (0.8\log A_{100}))}$$

For Ute Tribal 10-03:

Engineering Ruler (40) Scale: 0-100mV

A_0 = 99.5mV, found at 1960' on the CBL

A_{100} = 3.3mV, found at 4698' on the CBL

$$A_{80} = 10^{((0.2\log 99.5) + (0.8\log 3.3))}$$

$$A_{80} = 10^{0.814}$$

A_{80}=6.52mV

Below are photos showing the Engineer Ruler Scale.

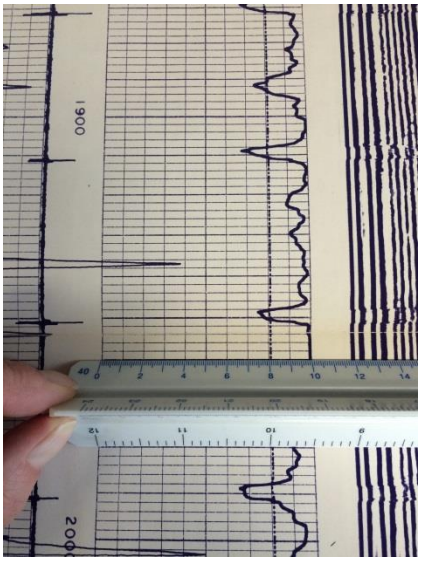

Figure 1 At 1960', free pipe.

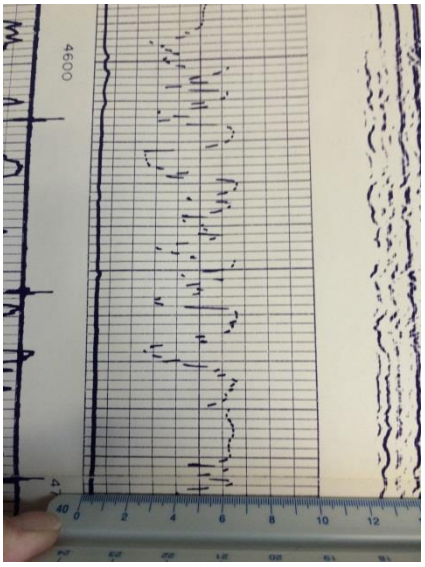

Figure 2 At 4698', best bond.